

FACILITY PERMIT TO OPERATE THE BOEING COMPANY - C17 PROGRAM

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: BOEING -C-17 OPERATIONS					
System 4: INTERNAL COMBUSTION ENGINES					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CUMMINS, MODEL CFP9E-F20, DRIVING FAIRBANKS MORSE FIRE-PUMP, MODEL 1824BF, WITH AFTERCOOLER, TURBOCHARGER, 282 BHP A/N: 519805 Permit to Construct Issued: 06/29/12	D568		NOX: PROCESS UNIT**	CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]; NOX: 1.5 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX + ROG: 3 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.015 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007]; PM: 0.15 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002]; ROG: 0.14 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007]	B61.1, C1.9, C1.19, D12.3, H23.8, I297.1, K67.7

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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Process 2: BOEING -C-17 OPERATIONS					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CUMMINS, MODEL CFP9E-F20, DRIVING FAIRBANKS MORSE FIRE-PUMP, MODEL 1824BF, WITH AFTERCOOLER, TURBOCHARGER, 282 BHP A/N:	D569		NOX: PROCESS UNIT**	CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 1.5 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX + ROG: 3 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.015 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007]; PM: 0.15 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002]; ROG: 0.14 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007]	B61.1, C1.9, C1.19, D12.3, H23.8, I297.1, K67.7

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
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The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: BOEING -C-17 OPERATIONS					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL QSB7-G5, DRIVING CUMMINS GENERATOR, MODEL 200DSGAE GENSET, WITH AFTERCOOLER, TURBOCHARGER, 324 BHP A/N:	D570		NOX: PROCESS UNIT**	CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 1.5 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX + ROG: 3 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.015 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007]; PM: 0.15 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002]; ROG: 0.14 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007]	B61.1, C1.9, C1.19, D12.3, E448.15, H23.8, I297.2, K67.7

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE THE BOEING COMPANY - C17 PROGRAM

SECTION H: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

FACILITY PERMIT TO OPERATE THE BOEING COMPANY - C17 PROGRAM

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D568	1	2	4
D569	2	2	4
D570	3	2	4

FACILITY PERMIT TO OPERATE THE BOEING COMPANY - C17 PROGRAM

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

- F1.1 The operator shall limit the material processed to no more than 25000 lb(s) in any one year.

For the purpose of this condition, material processed shall be defined as 1,1,1-trichloroethane used for general handwipe cleaning.

[H&S 44300, 7-1-1988]

- F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[**RULE 401, 3-2-1984**; RULE 401, 11-9-2001]

- F14.1 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

This condition shall become effective on or after June 1, 2004.

[RULE 431.2, 9-15-2000]

- F14.2 The operator shall not use diesel fuel containing sulfur compounds in excess of 0.05 percent by weight.

[**RULE 431.2, 5-4-1990**; RULE 431.2, 9-15-2000]

- F16.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

FACILITY PERMIT TO OPERATE THE BOEING COMPANY - C17 PROGRAM

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The operator shall comply with the terms and conditions set forth below:

show compliance with condition F1-1 for use of 1,1,1 trichloroethane

[H&S 44300, 7-1-1988]

F16.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

In addition to the recordkeeping requirements of Rule 109, the operator shall keep adequate records to demonstrate compliance with VOC conditions for all spray booth coating operations. All records shall be prepared in a format that is acceptable to the District, retained on the premises for at least five years, and made available upon request of the Executive Officer or his representative

[**RULE 109, 5-2-2003; RULE 1132(h)(2) - Exemptions, 3-5-2004; RULE 1132(h)(2) - Exemptions, 5-7-2004**]

F48.1 The operator shall not use at this facility methylene chloride for general handwipe cleaning.

[H&S 44300, 7-1-1988]

DEVICE CONDITIONS

B. Material/Fuel Type Limits

B61.1 The operator shall only use diesel fuel containing the following specified compounds:

Compound	quantity	ppm by weight
sulfur	less than or equal to	15

This condition shall be effective January 1, 2006

[**RULE 1303(a)(1)-BACT, 5-10-1996**]

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The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D568, D569, D570]

C. Throughput or Operating Parameter Limits

C1.9 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

[**RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 6-1-2007**]

[Devices subject to this condition : D568, D569, D570]

C1.19 The operator shall limit the maintenance and testing to no more than 50 hour(s) in any one year.

[**RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 6-1-2007**]

[Devices subject to this condition : D568, D569, D570]

D. Monitoring/Testing Requirements

D12.3 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 5-6-2005**]

[Devices subject to this condition : D568, D569, D570]

E. Equipment Operation/Construction Requirements

E448.15 The operator shall comply with the following requirements:

FACILITY PERMIT TO OPERATE THE BOEING COMPANY - C17 PROGRAM

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The operator shall comply with the terms and conditions set forth below:

The operation of engine beyond 50 hours per year allotted for engine maintenance and testing shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the electrical grid operator or electric utility has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage. Engi

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 6-1-2007]

[Devices subject to this condition : D570]

H. Applicable Rules

H23.8 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM10	District Rule	1470
Sulfur compounds	District Rule	431.2

[RULE 1470, 6-1-2007; RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

[Devices subject to this condition : D568, D569, D570]

I. Administrative

I297.1 This equipment shall not be operated unless the facility holds 68 pounds of NO_x RTCs in its allocation account to offset the annual emissions increase for the first year of operation. RTCs held to satisfy this condition may be transferred only after one year from the initial start of operation. If the hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

FACILITY PERMIT TO OPERATE THE BOEING COMPANY - C17 PROGRAM

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

In lieu of holding RTCs for the entire duration specified above, RTCs held for the purpose of demonstrating compliance with this condition may be transferred as specified below, provided quarterly emissions do not exceed the corresponding quarterly limit listed in the table below. The amount available for transfer shall be as specified in Rule 2005(f)(3). Such amount may be transferred only after the end of the subject quarter. If the first day of operation does not coincide with the first day of a calendar quarter, the emission limit for that calendar quarter shall be prorated based on the number of days remaining in the calendar quarter as of the first day of operation and the amount available for transfer after that calendar quarter shall be the prorated emission limit minus the actual emissions reportable for that calendar quarter pursuant to RECLAIM Monitoring, Recordkeeping, and Reporting protocols (MRR) and the emission limit for the portion of the first year of operation falling in the fifth calendar quarter shall be prorated based on the number of days of the first year of operation occurring in that calendar quarter and the amount available for transfer after that calendar quarter shall be the prorated emission limit minus the actual emissions reportable for the portion of the first year of operation occurring in that calendar quarter pursuant to RECLAIM MRR. If the quarterly certified emissions for any quarter (or portion of a quarter occurring within the first year of operation) exceed the corresponding quarterly emission limit or prorated quarterly emission limit, as applicable, the facility may only sell RTCs held pursuant to Rule 2005(f) after the first calendar quarter ending at least one year after operation commences.

Calendar Quarter	Emission Limit (Pounds of NOx RTCs)
July 1 through September 30	17
October 1 through December 31	17
April 1 through June 30	17
January 1 through March 31	17

[RULE 2005, 10-15-1993]

[Devices subject to this condition : D568, D569]

FACILITY PERMIT TO OPERATE THE BOEING COMPANY - C17 PROGRAM

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The operator shall comply with the terms and conditions set forth below:

I297.2 This equipment shall not be operated unless the facility holds 92 pounds of NO_x RTCs in its allocation account to offset the annual emissions increase for the first year of operation. RTCs held to satisfy this condition may be transferred only after one year from the initial start of operation. If the hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

In lieu of holding RTCs for the entire duration specified above, RTCs held for the purpose of demonstrating compliance with this condition may be transferred as specified below, provided quarterly emissions do not exceed the corresponding quarterly limit listed in the table below. The amount available for transfer shall be as specified in Rule 2005(f)(3). Such amount may be transferred only after the end of the subject quarter. If the first day of operation does not coincide with the first day of a calendar quarter, the emission limit for that calendar quarter shall be prorated based on the number of days remaining in the calendar quarter as of the first day of operation and the amount available for transfer after that calendar quarter shall be the prorated emission limit minus the actual emissions reportable for that calendar quarter pursuant to RECLAIM Monitoring, Recordkeeping, and Reporting protocols (MRR) and the emission limit for the portion of the first year of operation falling in the fifth calendar quarter shall be prorated based on the number of days of the first year of operation occurring in that calendar quarter and the amount available for transfer after that calendar quarter shall be the prorated emission limit minus the actual emissions reportable for the portion of the first year of operation occurring in that calendar quarter pursuant to RECLAIM MRR. If the quarterly certified emissions for any quarter (or portion of a quarter occurring within the first year of operation) exceed the corresponding quarterly emission limit or prorated quarterly emission limit, as applicable, the facility may only sell RTCs held pursuant to Rule 2005(f) after the first calendar quarter ending at least one year after operation commences.

Calendar Quarter	Emission Limit (Pounds of NO _x RTCs)
July 1 through September 30	23
October 1 through December 31	23
January 1 through March 31	23

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The operator shall comply with the terms and conditions set forth below:

April 1 through June 30 | 23

[RULE 2005, 10-15-1993]

[Devices subject to this condition : D570]

K. Record Keeping/Reporting

K67.7 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

(A) Emergency use hours of operation, (B) Maintenance & Testing hours, and (C) Other operating hours (describe the reason for operation).

In addition, each time the engine is started manually, the log shall include the date of operation and the timer reading in hours at the beginning and end of operation. The log shall be kept for a minimum of five calendar years prior to the current year and made available to District personnel upon request. The total hours of operation for the previous calendar year shall be recorded sometime during the first 15 days of January of each year.

**[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 6-1-2007;
RULE 2012, 5-6-2005]**

[Devices subject to this condition : D568, D569, D570]